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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/587,960	06/06/2000	Kar W. Yung	PD-200066	9611

20991 7590 08/23/2006

THE DIRECTV GROUP INC  
PATENT DOCKET ADMINISTRATION RE/R11/A109  
P O BOX 956  
EL SEGUNDO, CA 90245-0956

EXAMINER

LE, DANH C

ART UNIT	PAPER NUMBER
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2617

DATE MAILED: 08/23/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 09/587,960	<b>Applicant(s)</b> YUNG ET AL.	
	<b>Examiner</b> DANH C. LE	<b>Art Unit</b> 2617	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 27 January 2006.
- 2a) ☐ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-43 is/are pending in the application.  
     4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-43 is/are allowed.
- 6) ☐ Claim(s) \_\_\_\_\_ is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
     Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
     Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
     a) ☐ All    b) ☐ Some \* c) ☐ None of:  
         1. ☐ Certified copies of the priority documents have been received.  
         2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
         3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>4/8, 8/11/03, 12/9</u> | 6) <input type="checkbox"/> Other: _____  |

## **DETAILED ACTION**

### ***Information Disclosure Statement***

1. The information disclosure statement (IDS) submitted on 12/09/02, 4/8/03, 8/11/03 have been considered by the examiner and made of record in the application file.

### ***Specification***

The disclosure is objected to because of the following informalities:

On page 21, lines 18, 19 contains blank field.

Appropriate correction is required.

### ***Allowable Subject Matter***

The following is an examiner's statement of reasons for allowance:

Claims 1-43 are allowed.

Claims 1-23 are allowed in the previous Office Action.

As to claim 24, Payrovian et al (US 6,707,800) teaches ATM network with central call processor. Wiedeman (US 6,587,687) teaches multiple satellite fade attenuation control system. Schiff et al (US 6,233,456) teaches method and apparatus for adjacent coverage area handoff in communication systems. Snell et al (US 6,275,479) teaches multiplex power amplifiers for satellite communication system. Tuzov (US 5,898,902) teaches method and apparatus for multiple station communication for low orbit satellite systems. Patterson et al (US 5,736,959) teaches earth fixed cell management for satellite communication system using dielectric lens focused scanning beam antennas. The teaching of above prior art either alone or in combination fails to teach a central hub for establishing links with one or more of said plurality of mobile terminals and for

assigning one or more of said plurality of individual resource cells to each of said plurality of mobile terminals in accordance with a profit value assigned to each of said plurality of mobile terminals.

As to claim 27, Payrovian et al (US 6,707,800) teaches ATM network with central call processor. Wiedeman (US 6,587,687) teaches multiple satellite fade attenuation control system. Schiff et al (US 6,233,456) teaches method and apparatus for adjacent coverage area handoff in communication systems. Snell et al (US 6,275,479) teaches multiplex power amplifiers for satellite communication system. Tuzov (US 5,898,902) teaches method and apparatus for multiple station communication for low orbit satellite systems. Patterson et al (US 5,736,959) teaches earth fixed cell management for satellite communication system using dielectric lens focused scanning beam antennas. The teaching of above prior art either alone or in combination fails to teach a central hub for establishing links with one or more of said plurality of mobile user terminals and for assigning one or more of said plurality of individual resource cells to each of said plurality of mobile user terminals, and wherein each of said plurality of mobile user terminals is assigned to operate in one or more of said plurality of individual resource cells.

As to claim 36, Payrovian et al (US 6,707,800) teaches ATM network with central call processor. Wiedeman (US 6,587,687) teaches multiple satellite fade attenuation control system. Schiff et al (US 6,233,456) teaches method and apparatus for adjacent coverage area handoff in communication systems. Snell et al (US 6,275,479) teaches multiplex power amplifiers for satellite communication system. Tuzov (US 5,898,902)

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teaches method and apparatus for multiple station communication for low orbit satellite systems. Patterson et al (US 5,736,959) teaches earth fixed cell management for satellite communication system using dielectric lens focused scanning beam antennas. The teaching of above prior art either alone or in combination fails to teach assigning each of said plurality of mobile users an individual profit value indicative of a particular type of service requested by said mobile user

Dependent claims are allowable for the same reason.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

This application is in condition for allowance except for the following formal matters:

The Specification of page 21 lines 18 and 19 should be corrected.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DANH C. LE whose telephone number is 571-272-7868. The examiner can normally be reached on 8:00AM-5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, WILLIAM TROST can be reached on 571-272-7872. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



August 14, 2006.  
DANH CONG LE  
PRIMARY EXAMINER